IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of		) Art Unit:	2731
	Grimwood, et al.	) Examiner:	unknown
Serial No.:	09/074,036	) Docket No:	TER-005
Filed:	05/06/98	)	

For: APPARATUS AND METHOD FOR SYNCHRONIZING AN SCDMA UPSTREAM OR ANY OTHER TYPE UPSTREAM TO AN MCNS DOWNSTREAM OR ANY OTHER TYPE DOWNSTREAM WITH DIFFERENT CLOCK RATE THAN THE UPSTREAM

Honorable Commissioner
of Patents and Trademarks
Washington, D.C. 20231

TRANSMITTAL OF FORMAL DRAWINGS

Sir:

Enclosed herewith for filing with respect to the above-identified application, please find fifteen (15) sheets of Formal Drawings comprising of Figures 1-24 (labeled on reverse side).

The Commissioner is hereby authorized to charge any fees necessary at any time to keep this case from becoming abandoned to Deposit Account 06-0932 or credit any overpayments thereto.

Respectfully submitted,

Dated: June 16, 1999

Ronald Craig Fish
Reg. No. 28,843
Tel 408 778 3624
FAX 408 776 0426
Ronfpatents@worldnet.att.net

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JUN 29 1999
Group 2700

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS 370 | SUBCLASS 335

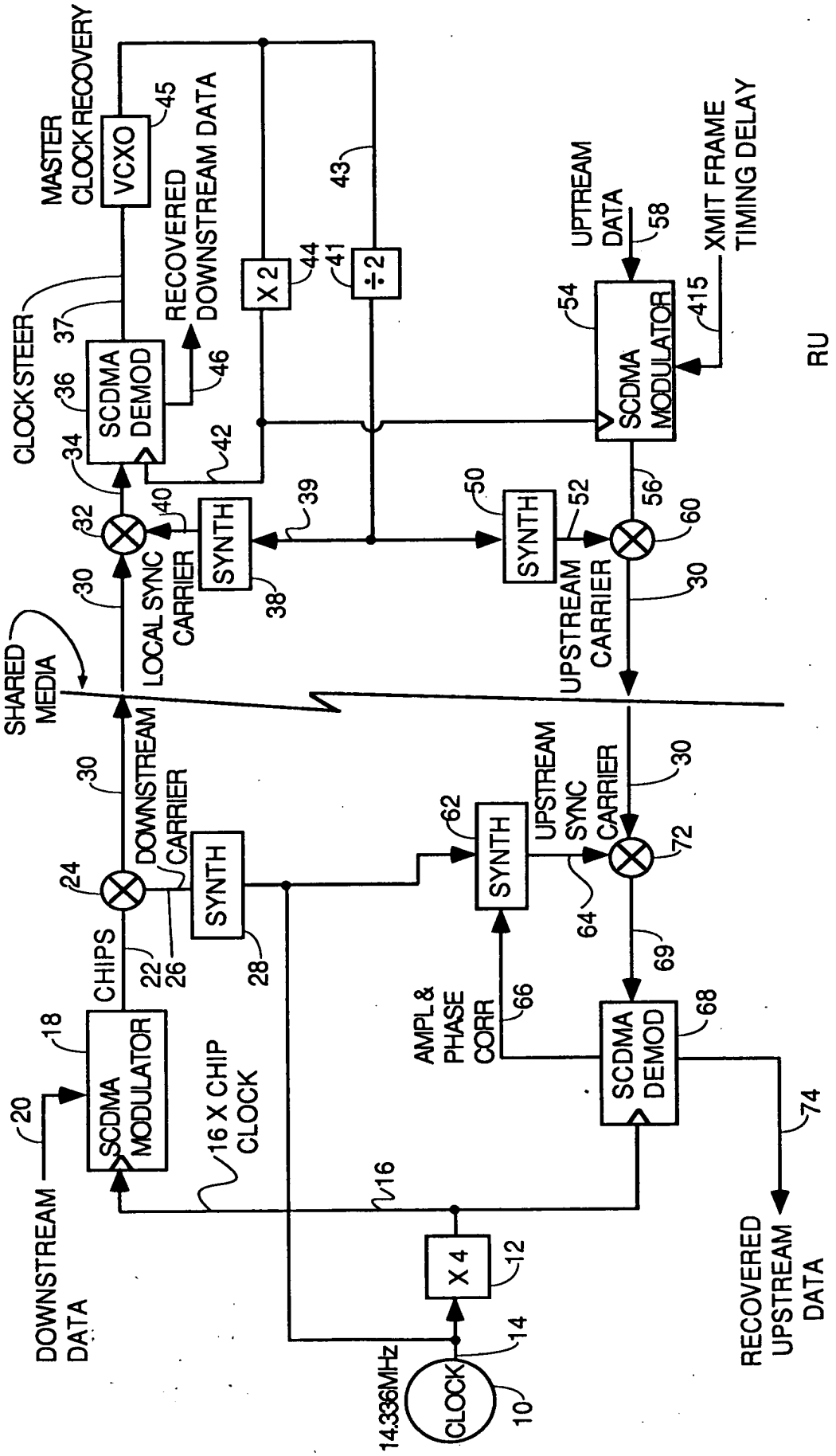

FIG. 1

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O.G. FIG.
CLASS
SUBCLASS

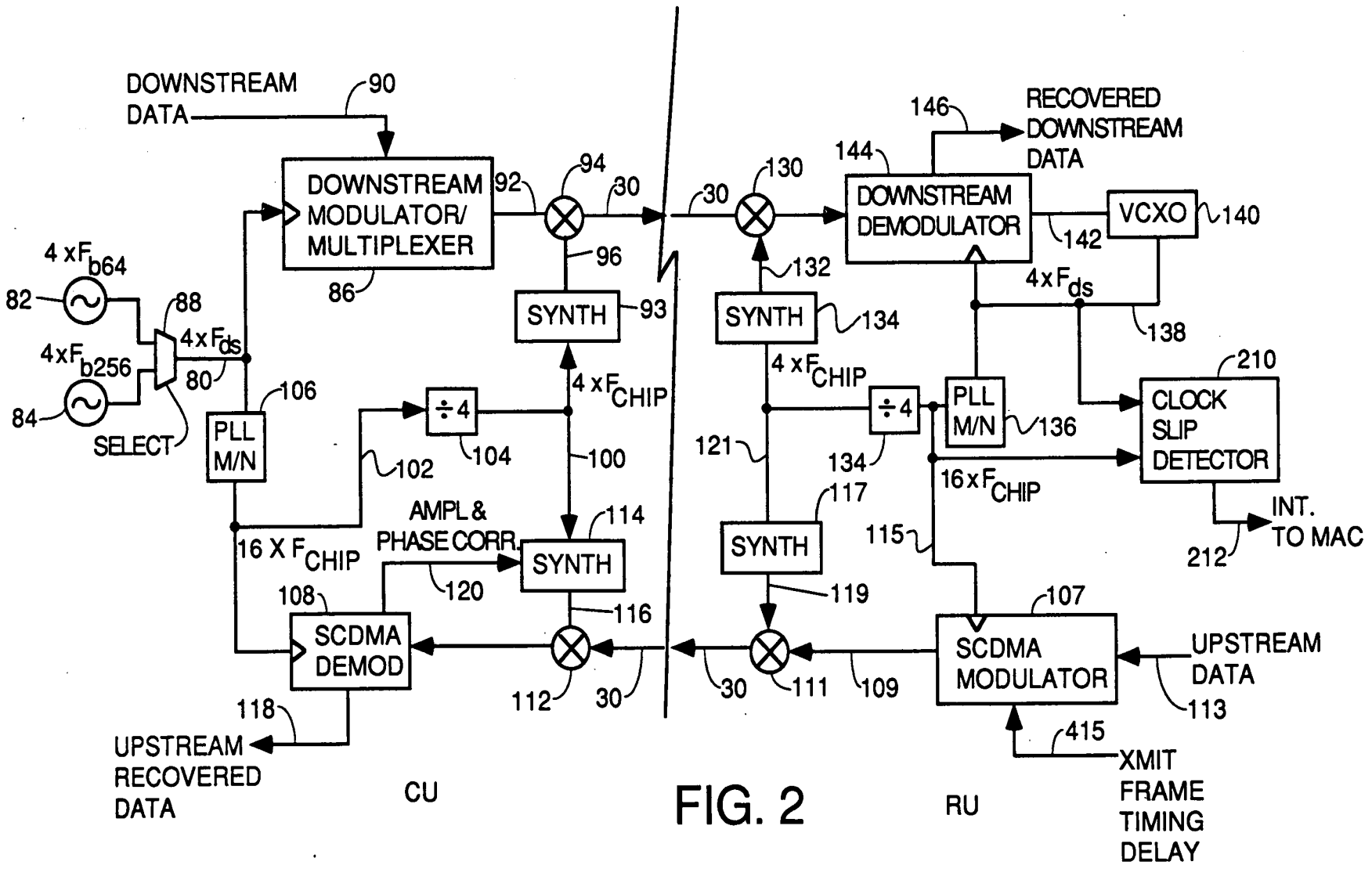

FIG. 2

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O.G. FIG.
CLASS SUBCLASS

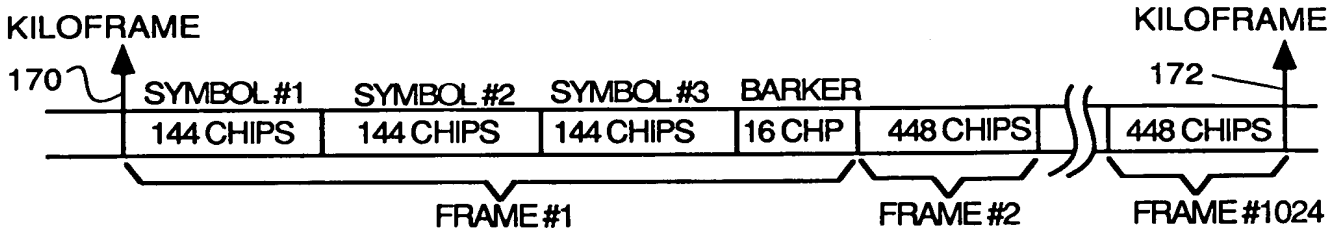
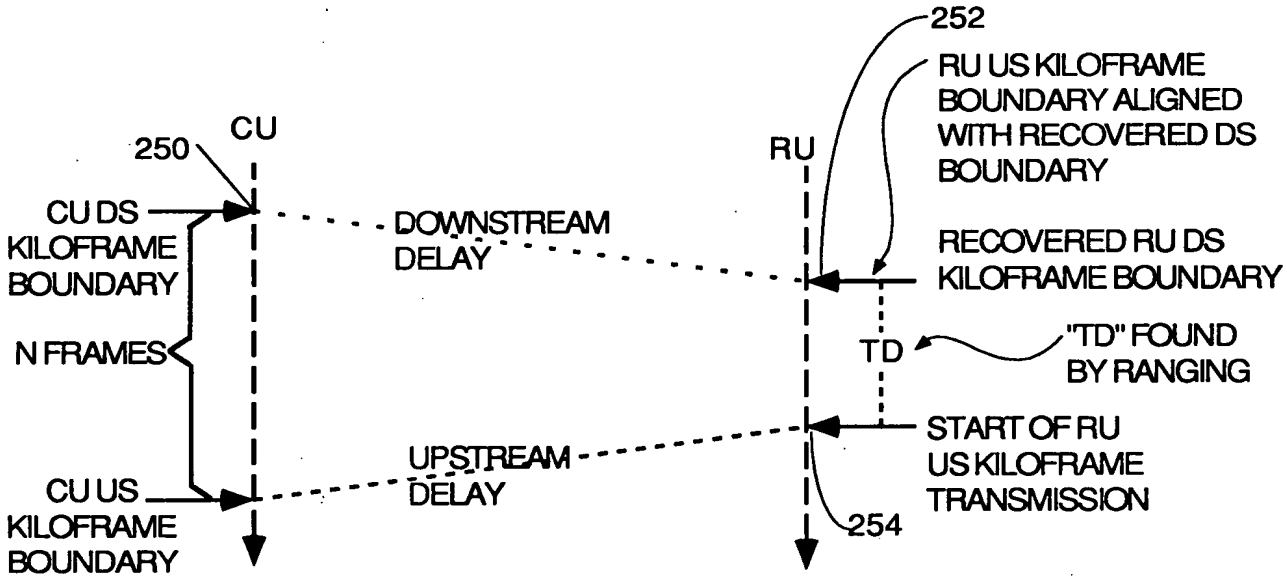


FIG. 3



SCDMA DS, SCDMA US

FIG. 5

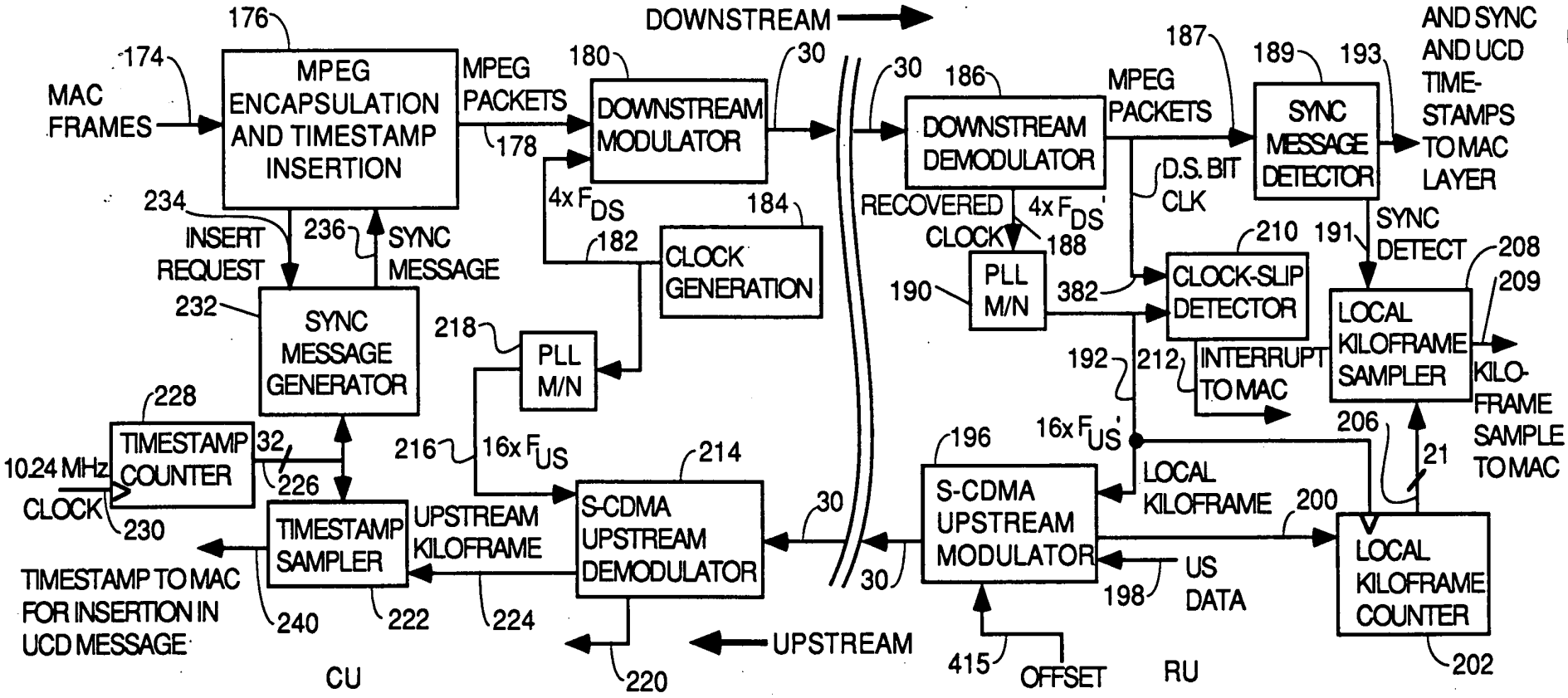

MAC FRAMES
174
MPEG ENCAPSULATION AND TIMESTAMP INSERTION
176
MPEG PACKETS
178
DOWNSTREAM MODULATOR
180
DOWNSTREAM
30
4x F DS
182
CLOCK GENERATION
184
INSERT REQUEST
234
SYNC MESSAGE
236
SYNC MESSAGE GENERATOR
232
PLL M/N
218
TIMESTAMP COUNTER
228
10.24 MHz CLOCK
230
32
226
TIMESTAMP SAMPLER
240
222
TIMESTAMP TO MAC FOR INSERTION IN UCD MESSAGE
16x F US
216
UPSTREAM KILOFRAME
224
S-CDMA UPSTREAM DEMODULATOR
214
220
CU
UPSTREAM
30
DOWNSTREAM DEMODULATOR
186
MPEG PACKETS
187
RECOVERED CLOCK
4x F DS'
188
D.S. BIT CLK
PLL M/N
190
382
CLOCK-SLIP DETECTOR
210
INTERRUPT TO MAC
192
212
16x F US'
196
S-CDMA UPSTREAM MODULATOR
30
LOCAL KILOFRAME
200
US DATA
198
415
OFFSET
RU
SYNC MESSAGE DETECTOR
189
193
ALL MAC M & C MSG AND SYNC AND UCD TIME-STAMPS TO MAC LAYER
SYNC DETECT
191
LOCAL KILOFRAME SAMPLER
208
209
KILO-FRAME SAMPLE TO MAC
206
21
LOCAL KILOFRAME COUNTER
202

FIG. 4

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O.G. FIG.
CLASS SUBCLASS

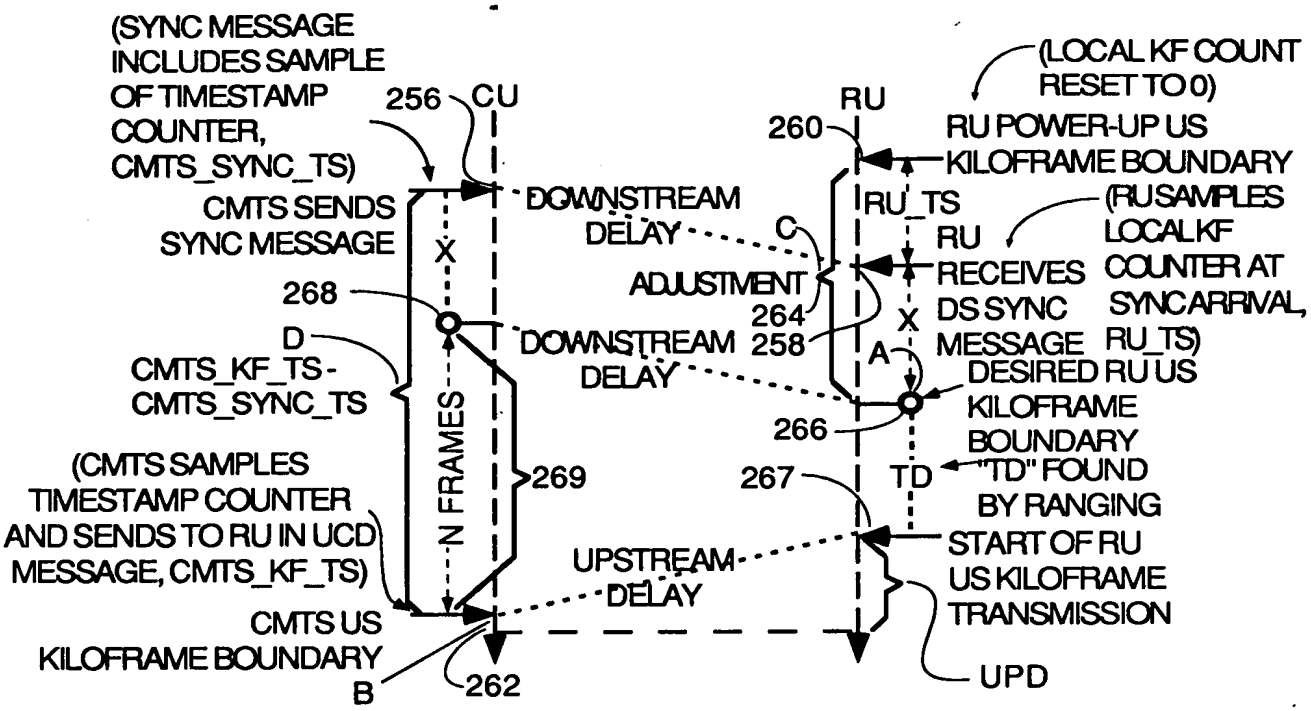

FIG. 6

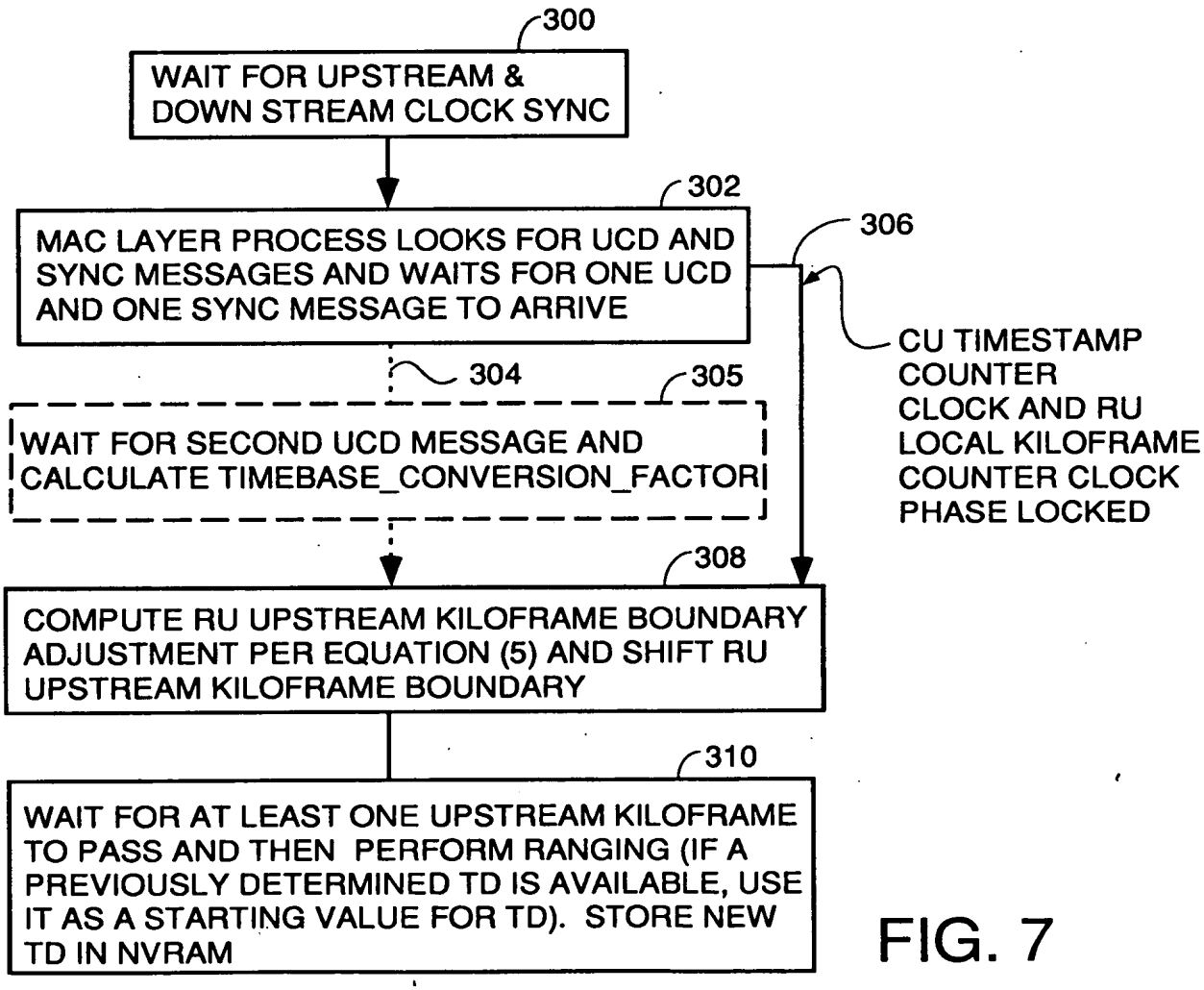

FIG. 7

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

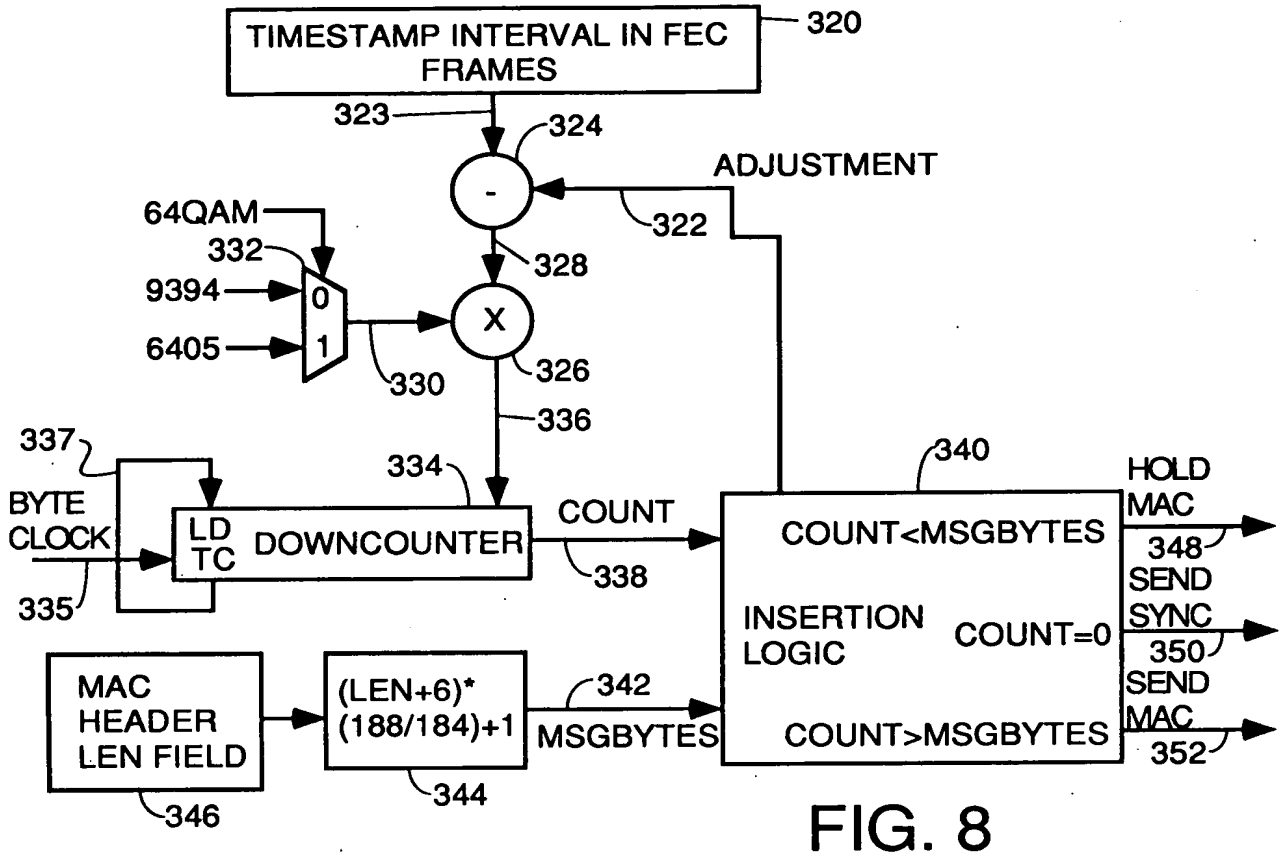

FIG. 8

TABLE 1 64 QAM SYNC START POSITION ADJUSTMENTS

SYNC START POSITION IN BYTES	SYNC ADJUSTMENT IN FEC FRAMES
0-5	2
155-167	4
167-183	2

FIG. 9

TABLE 2 256 QAM SYNC START POSITION ADJUSTMENTS

SYNC START POSITION IN BYTES	SYNC ADJUSTMENT IN FEC FRAMES
0-2	6
3-5	7
155-160	1
161-166	2
167-172	3
173-178	4
179-184	5
185-187	6

FIG. 10

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O.G. FIG.
CLASS SUBCLASS

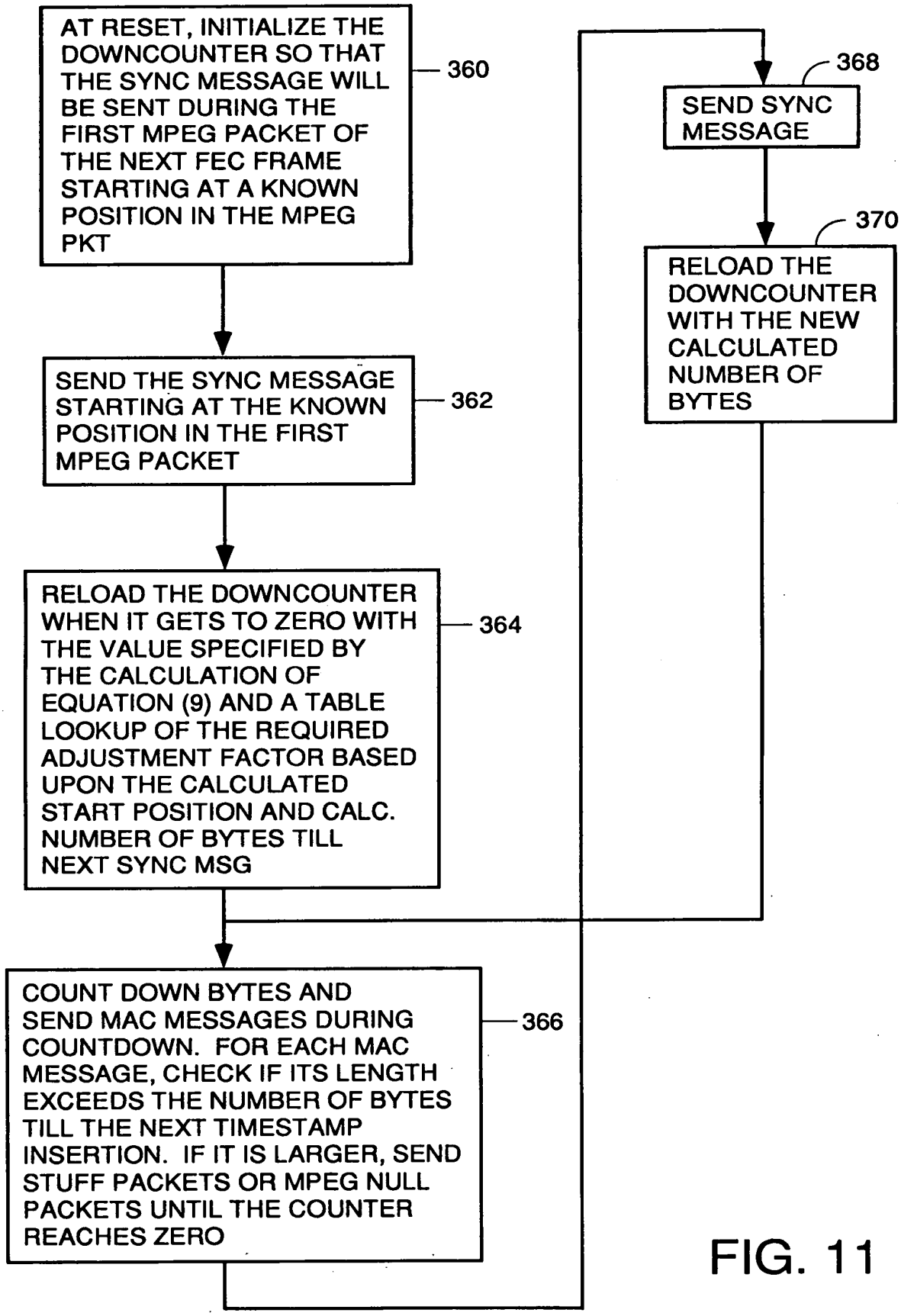

FIG. 11

APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

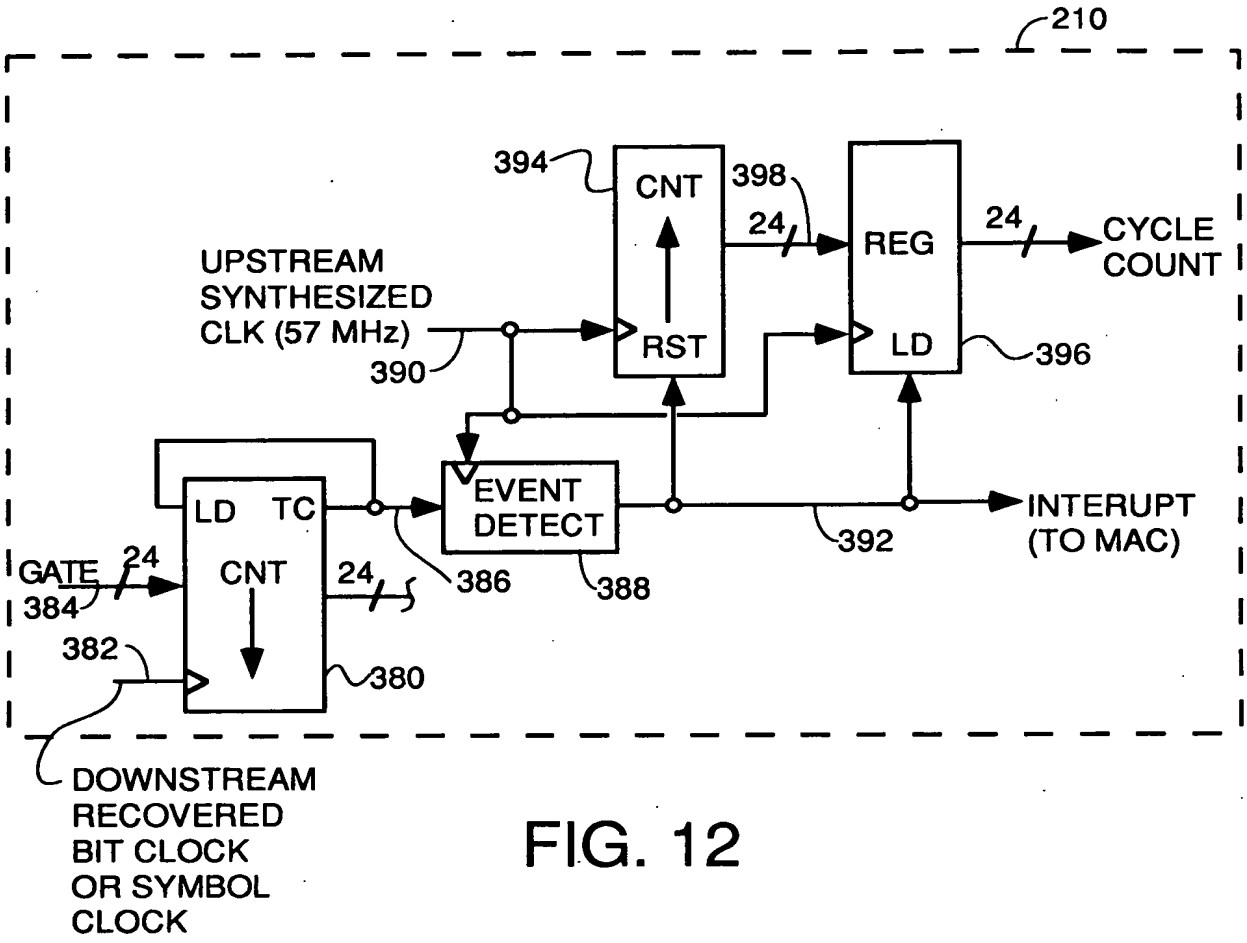

FIG. 12

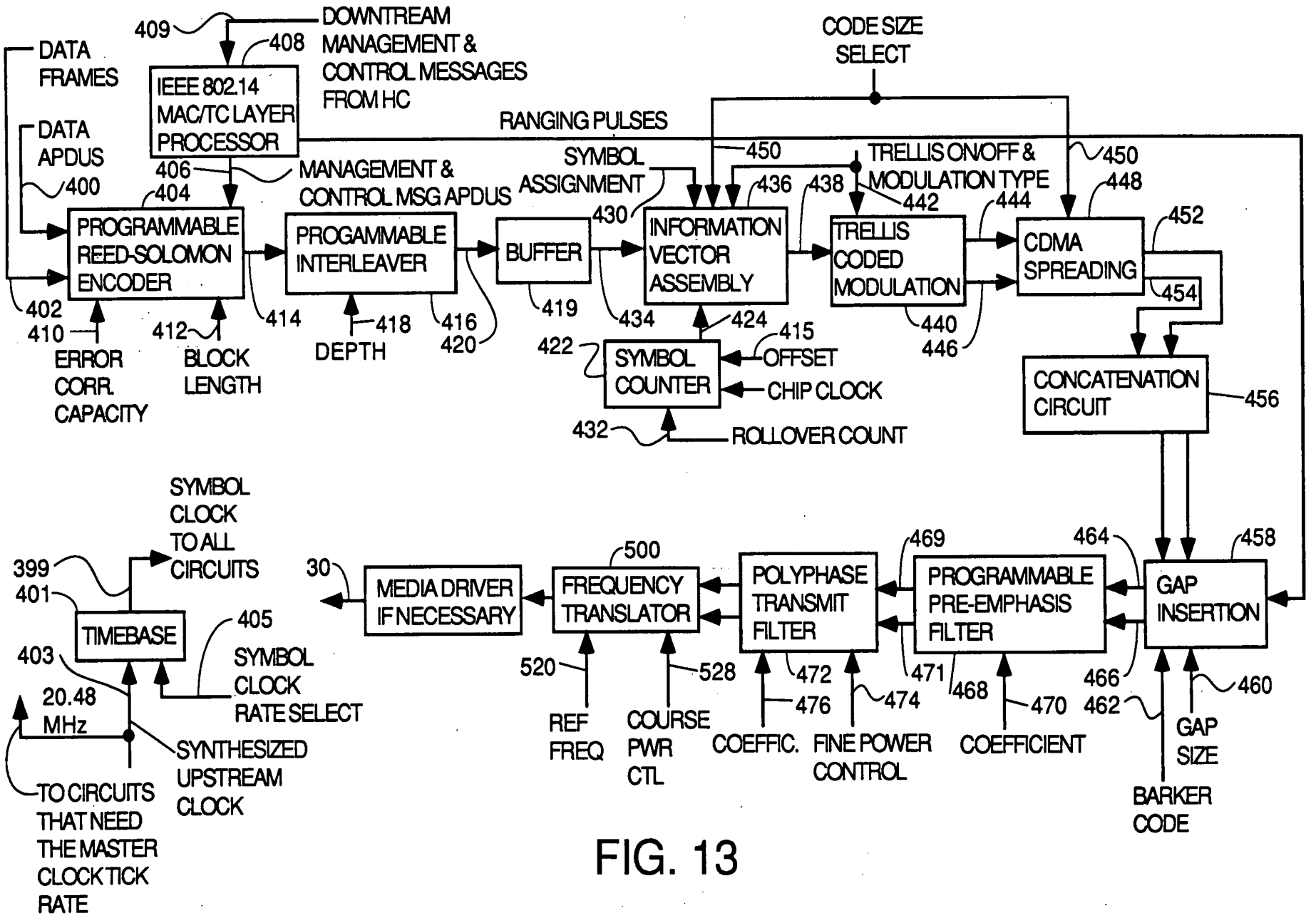

FIG. 13

APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

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O.G. FIG.
CLASS
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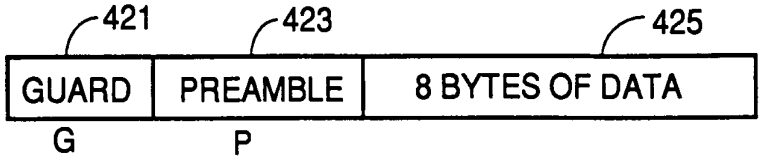


FIG. 14

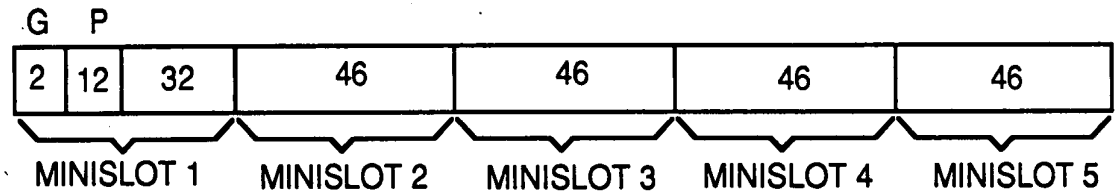


FIG. 15

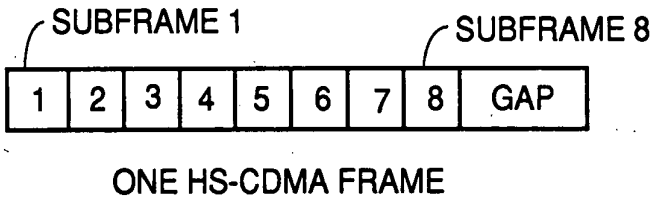


FIG. 16

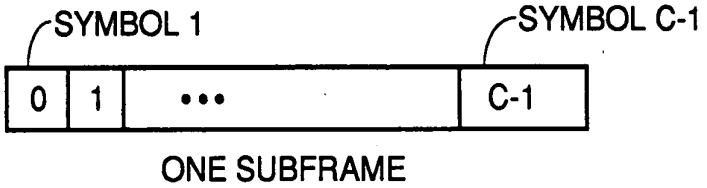


FIG. 17

APPROVED BY
O.G. FIG.
CLASS SUBCLASS

FIG. 18A

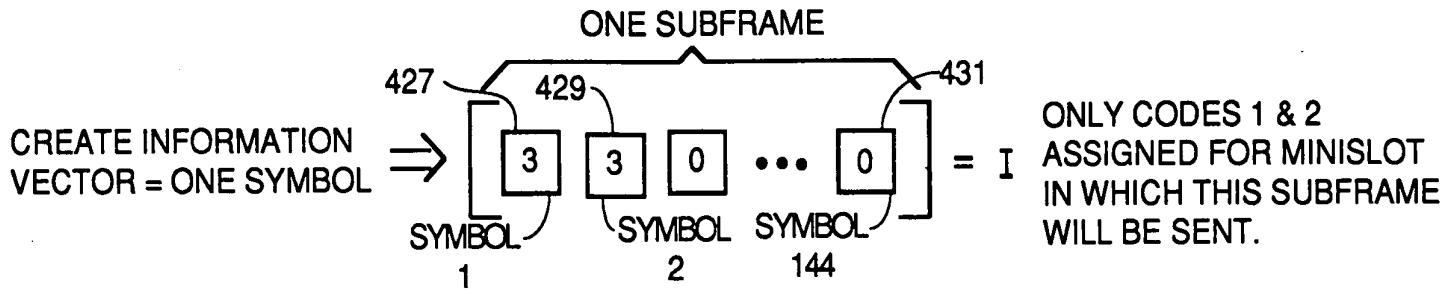


FIG. 18B

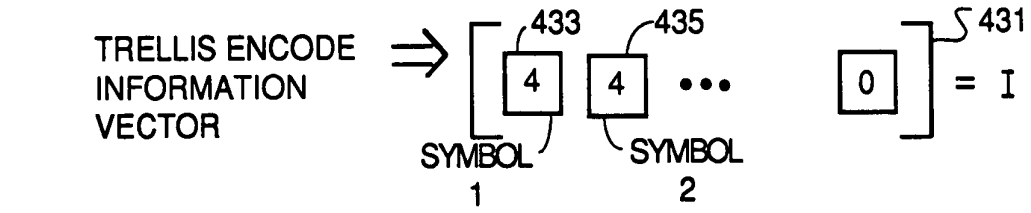
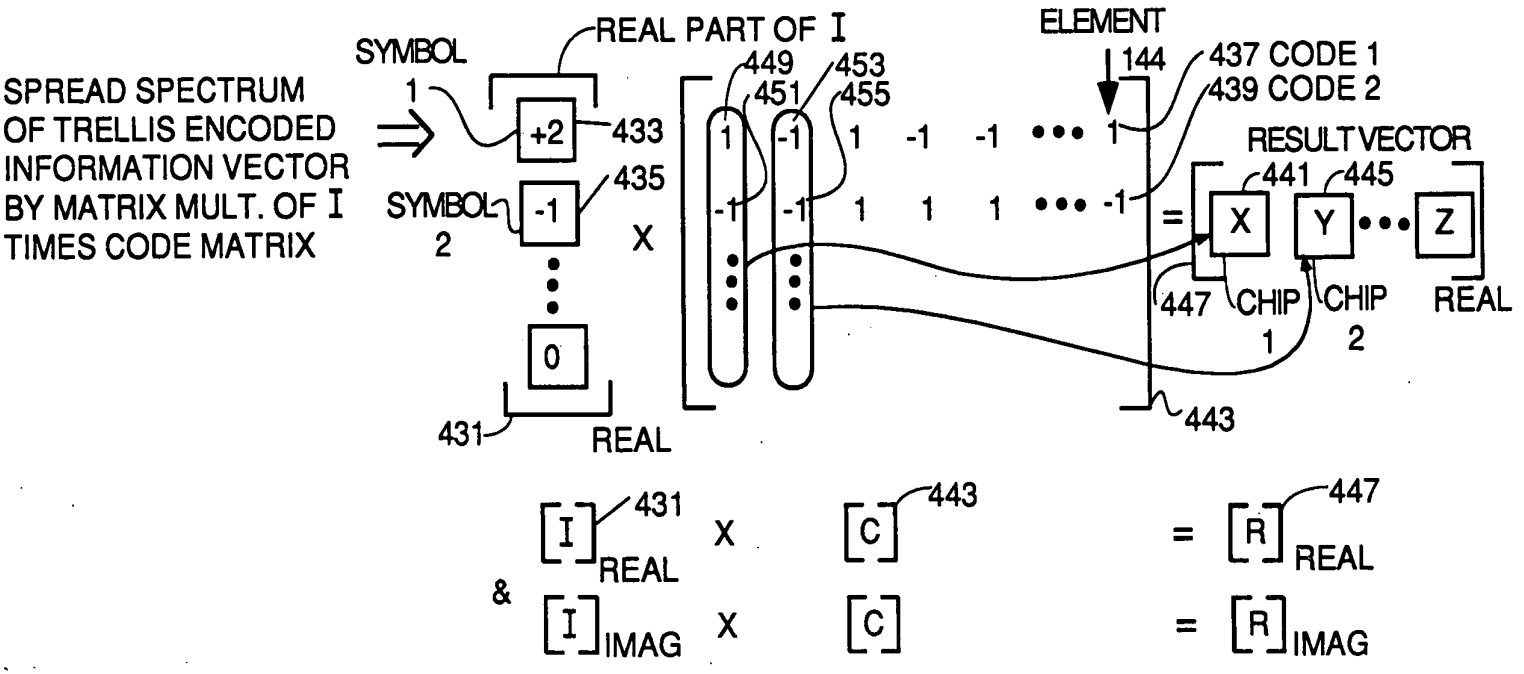


FIG. 18C



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O.G. FIG.
CLASS SUBCLASS

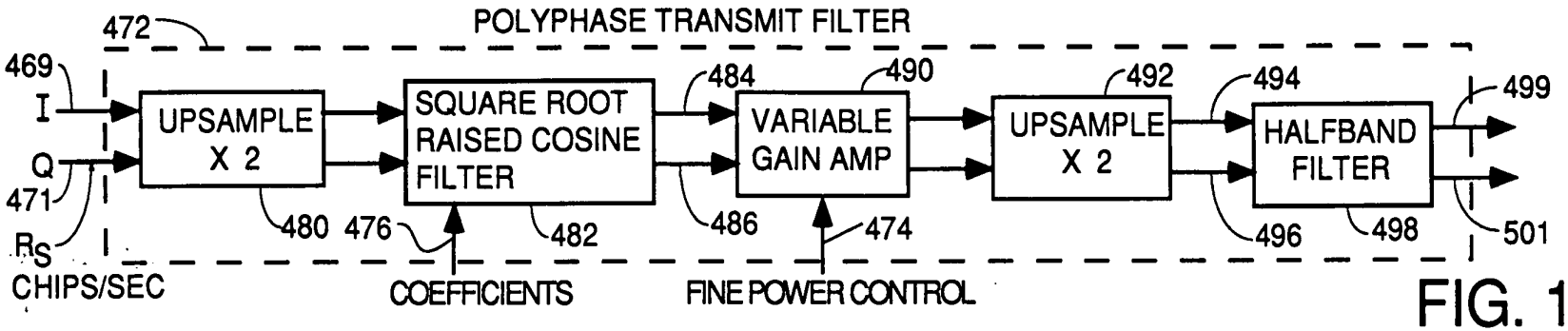

FIG. 19

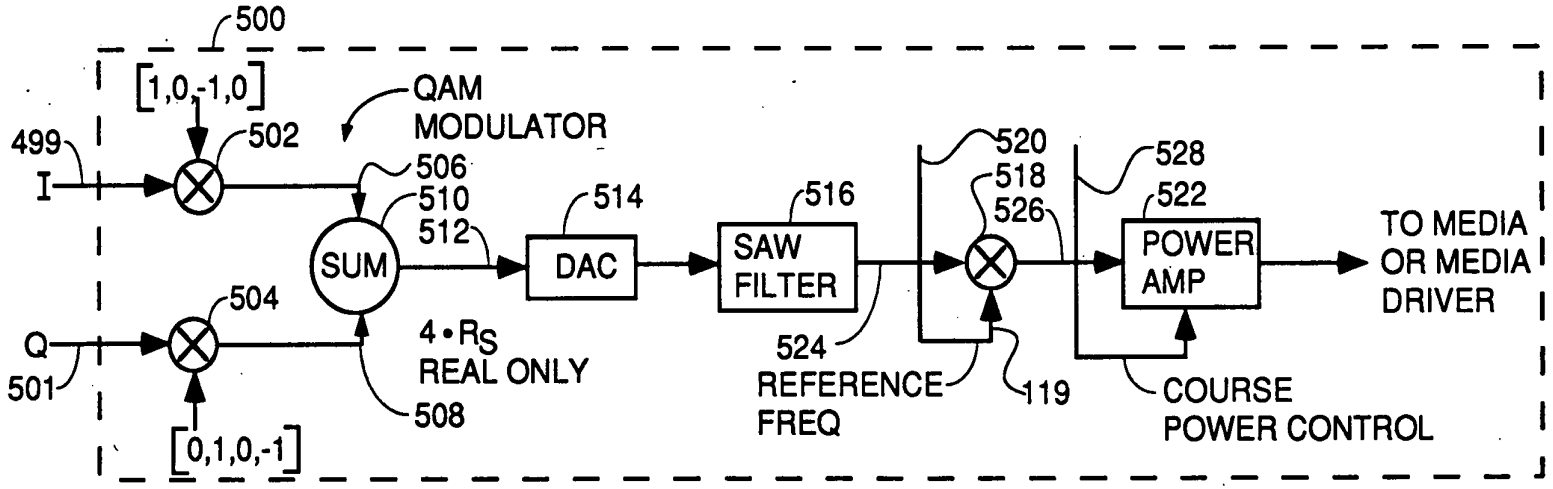

FIG. 20

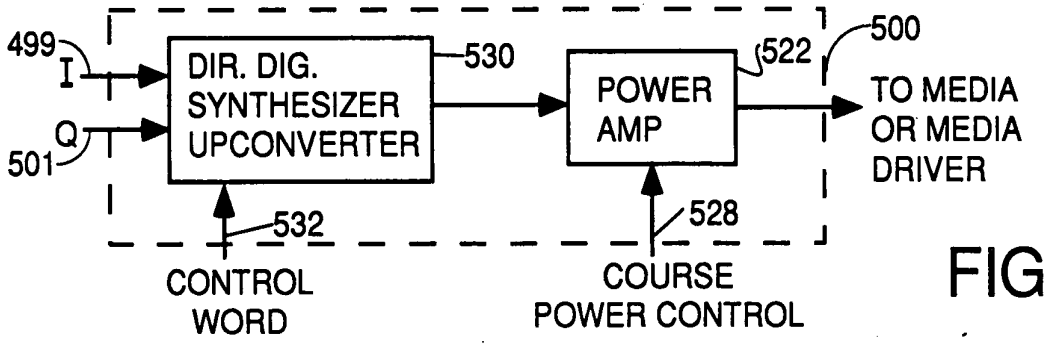

FIG. 21

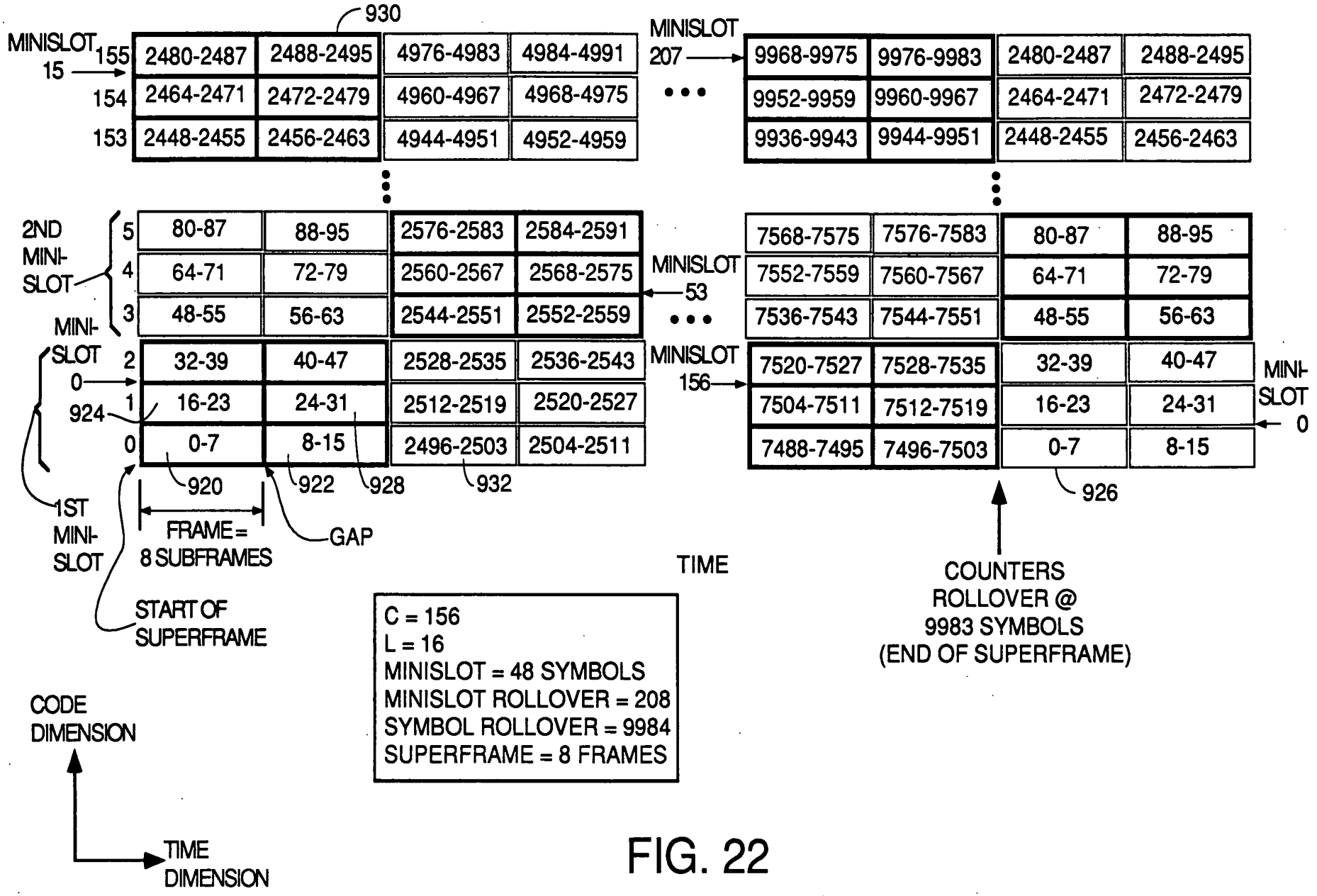

FIG. 22

APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

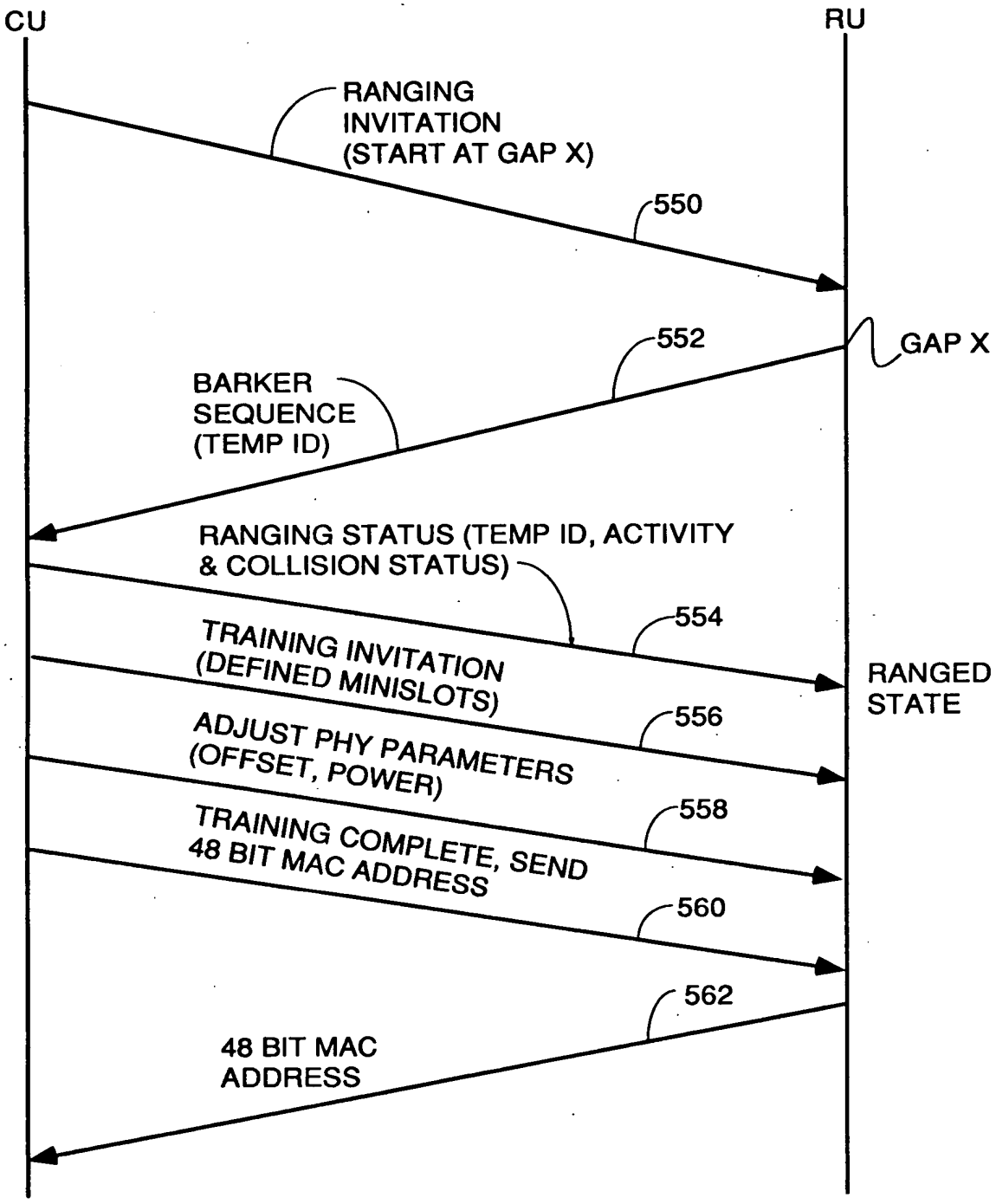

FIG. 23

APPROVED
BY
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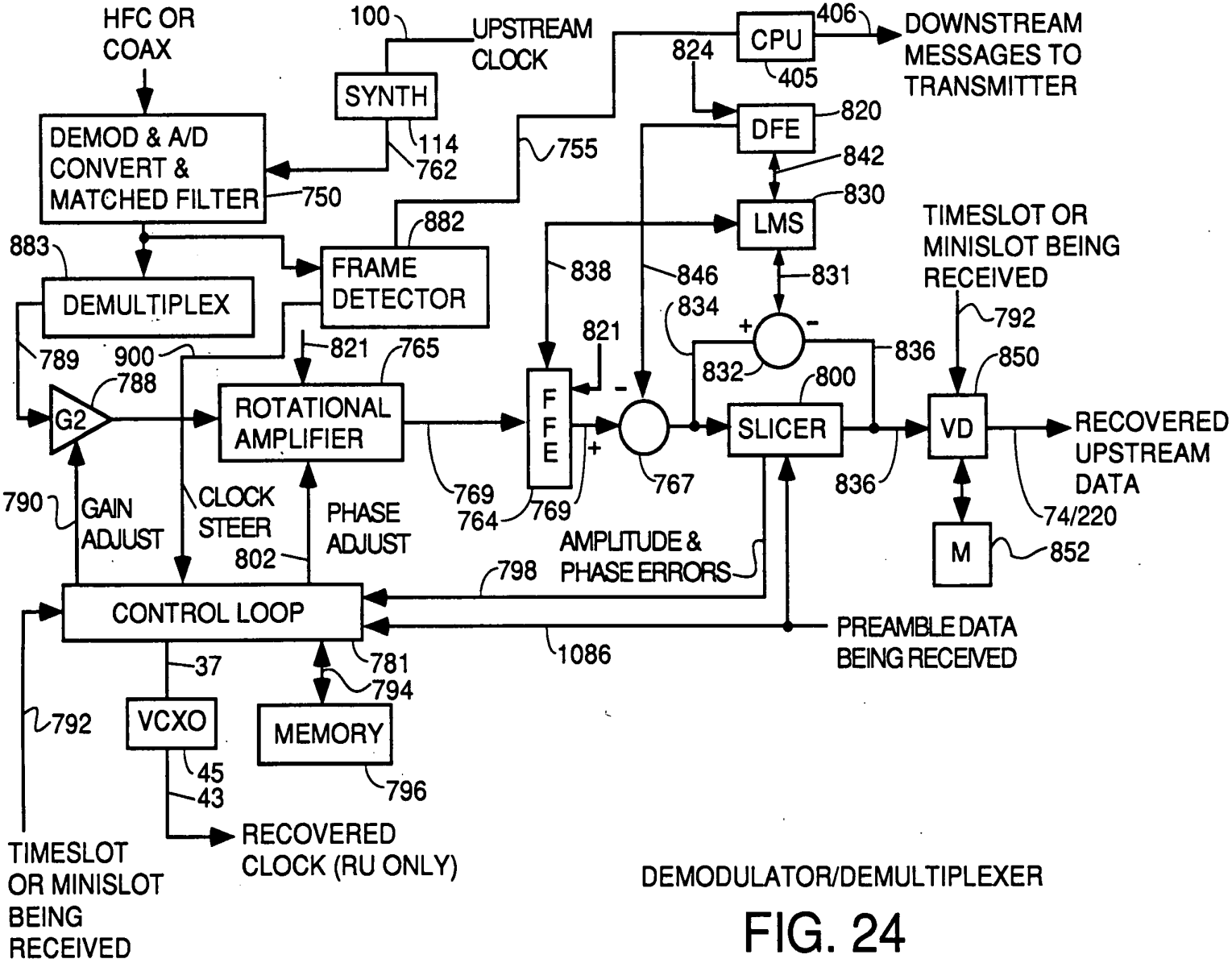
CLASS
SUBCLASS



DEMODULATOR/DEMULTIPLEXER

FIG. 24